HOME LEARNING

YEAR 6

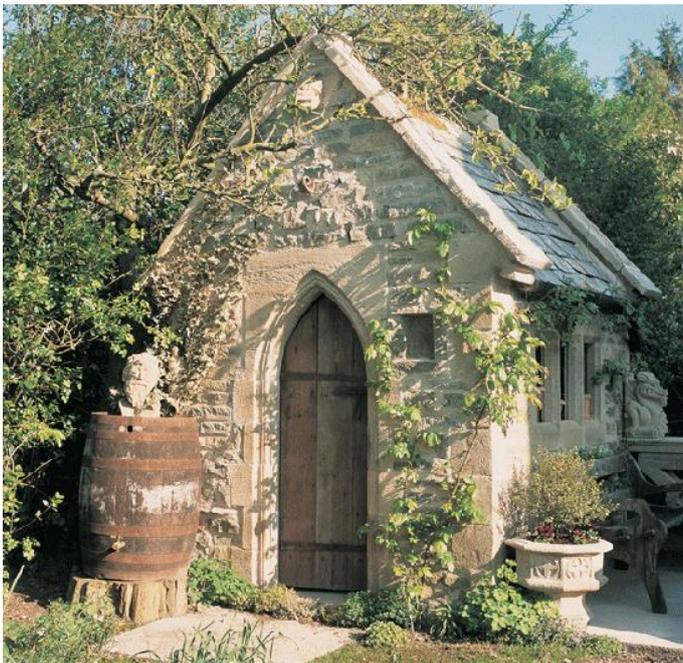# 04/06/2020

Morning Message

Good morning Year 6,

Today's joke: *What do you call a duck that tells good jokes? A wise-quacker*

Have a great day,

Mr Larke and Ms Yerlisu

Week's Pictures

Writing

Thursday LO: to write the main action of a story

Today you will be writing the main action of the story, where your character solves the problem.

In a potential plot we discussed earlier in the week, our hero has to enter The Land of the Forests to retrieve a spell book from an evil wizard. You might write about a journey through a forest to a clearing where the wizard's cottage is. Maybe the wizard catches them and locks them into a cage? Maybe Kevin saves the day by entering the cottage, unlocking the cage with his teeth and they escape with the spell book?

Use what you planned earlier in the week!

Create drama and tension with vocabulary choices. Vary sentence lengths and constructions for effect.

Reading

Day 4: Pupil-led questions

Write:

3 on-the-line questions
2 between-the-lines questions
1 beyond-the-text question

Maths

FUNCTIONAL MATHS
AIRCRAFT

In this lesson, the task is AIRCRAFT. You will use the formula for volume, calculate how much money you can make with an aircraft, calculate the total cost of airline tickets using a formal written methods and explain your answer by reasoning.

1   Passengers can take luggage onto a plane.

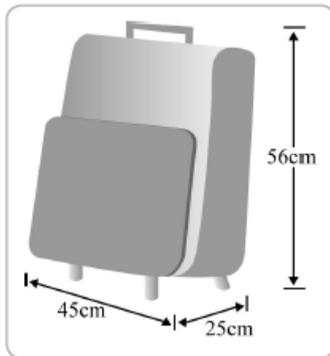The luggage must not be bigger than the size allowed by an airline.

Airline	Maximum Size	Volume
Marble	50cm by 35cm by 20cm	35 litres
Fly Tim	60cm by 45cm by 20cm	54 litres
Crystal	56cm by 50cm by 25cm	70 litres
Diamond	45cm by 45cm by 30cm	60.75 litres

In question one, you need to calculate volume of the luggage. Remember the formula for volume of a cuboid.
Volume= Length x Width x Height
You must show your method. Use dimensions of the luggage. Divide your answer by 1000. Find which airline accepts the volume of the luggage.

Jeff has a piece of luggage with dimensions 56 cm by 45 cm by 25 cm.

56cm

45cm

25cm

Which airline will allow Jeff to take this luggage onto a plane?
Give a reason for your answer.

In question two, calculate how many minutes you can sell products for. That means you need to deduct the take off and descending time from total journey.

2 A flight to Italy has a **3 hour** journey time.
The plane takes **20 minutes** to take off and reach its cruising height.
It takes **25 minutes** to descend from the cruising height and to land.

Cabin staff can sell products to passengers only when the plane is at cruising height.

For how long can cabin staff sell products to passengers?

Extension questions
1. The cabin staff can make £5 every minute. How much can they make in this flight?
2. The cabin staff sold 56 coffees for £ 2.50 each. How much money do they make?

In question three, you need to calculate the total cost of each ticket for each person.
You must show calculations using a formal method.
Calculate cost of MARBLE and FLY TIM tickets for Carla and Clementi together.
Remember-
If CLEMENTI has 20 kg luggage he needs to pay excess luggage charge for MARBLE and FLY TIM.

3   Two airlines fly from East Midlands airport to Florence airport in Italy.

If a passenger's luggage weighs more than the luggage allowance, the passenger has to pay an **excess luggage charge**.

MARBLE	FLY TIM
Ticket Price £100	**Ticket Price** £126
Luggage Allowance (kg) 15	**Luggage Allowance (kg)** 18
Excess Luggage Charge £10 per kg	**Excess Luggage Charge** £9 per kg

The total cost for a passenger is the ticket price plus any excess luggage charge.

Carla and Clementi want to fly together from East Midlands to Florence.

Carla's luggage weighs **16kg**.
Clementi's luggage weighs **20kg**.

Advise Carla and Clementi which airline to use to fly to Florence.

Rising Stars Higher Revision P61-Question Workbook P58
Rising Stars Expected S. Revision P63-Question Workbook P56

Weekly Spellings

You should continue to revise words/spelling patterns from the KS2 National Curriculum that you have identified as necessary. We have provided a bank of words for you to begin learning if you feel you are totally secure in your knowledge of KS2 words. Remember, it is more important that you revise all necessary spelling patterns first.

The following words are from word banks that you will begin to learn at secondary school. These particular words contain what are known as 'unstressed' vowels. That means when you speak the words, you don't sound out all the vowels e.g. *abominable* You don't really hear the *i* vowel when reading it. Your job for week 1 is to learn the words in first list ie. from *abandoned* to *compromise*

abandoned	conference	easily	generous	library	offering	similar
abominable	consonant	explanatory	geography	literacy	original	skeleton
alcohol	corporal	extra	grammar	literate	parallel	smuggler
animal	deafening	factory	heaven	literature	parliament	stationary
astronomy	definite	familiar	history	locomotive	poisonous	stationery
benefit	definitely	family	holiday	lottery	predict	telephone
boundary	describe	fattening	hospital	margarine	prepare	television
business	description	February	illiterate	marvellous	primary	vegetable
carpet	desperate	flattery	interest	mathematics	prosperous	voluntary
category	dictionary	formal	interested	medicine	reference	Wednesday
Catholic	difference	freedom	January	memorable	Saturday	widening
centre	different	frightening	jewellery	messenger	secretary	
company	disinterest	general	journalist	miniature	separate	
compromise	doctor	generally	lettuce	miserable	signature	

Foundation Topic Work (for the week)

Our topic for humanities this half-term is the country of Wales. Your task this week to carry out some independent research about its capital city: Cardiff. Then write a tourist brochure advertising 3 of Cardiff's main attractions. The task has been set for you on Purple Mash.

Diary

Write a diary of what work and activities you did today. Remember to include your thoughts, feelings and opinions.